

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063563.D
 Acq On : 12 Sep 2025 09:43
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 13 02:37:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 02:33:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.097	96	34858	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12942	1.132	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	12213	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	11931	1.410	ug/l	92
3) Chloromethane	1.518	50	12263	1.493	ug/l	97
4) Vinyl Chloride	1.599	62	12878	1.247	ug/l	100
5) Bromomethane	1.840	94	8483	1.203	ug/l	97
6) Chloroethane	1.920	64	8458	1.167	ug/l	99
7) Trichlorofluoromethane	2.126	101	18712	1.044	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	10921	1.116	ug/l	97
9) 1,1-Dichloroethene	2.570	96	9647	1.096	ug/l	95
10) Iodomethane	2.708	142	12776	0.923	ug/l	100
11) Allyl Chloride	2.907	41	15136	1.303	ug/l	93
12) Acrylonitrile	3.306	53	5741	2.506	ug/l	97
13) Acetone	2.618	43	19370	5.419	ug/l	98
14) Carbon Disulfide	2.776	76	19767	1.042	ug/l	98
15) Methylene Chloride	3.030	84	13316	1.128	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	9935	1.032	ug/l	91
17) 1,1-Dichloroethane	3.849	63	24022	1.214	ug/l	99
18) 2-Butanone	4.714	43	21936	5.623	ug/l	98
19) Cyclohexane	5.361	56	19375m	1.286	ug/l	
20) Methylcyclohexane	6.740	83	16831	1.247	ug/l	94
21) 2,2-Dichloropropane	4.647	77	18083	1.148	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	13249	1.136	ug/l	97
23) Diethyl Ether	2.370	59	8458	1.206	ug/l	98
24) tert-Butyl Alcohol	3.187	59	12637	13.795	ug/l	98
25) Methyl tert-Butyl Ether	3.357	73	29305	1.185	ug/l	97
26) Bromochloromethane	4.955	128	5320	1.080	ug/l	96
27) Chloroform	5.071	83	23779	1.121	ug/l	96
28) 1,1,1-Trichloroethane	5.296	97	18012	1.077	ug/l	98
29) 1,1-Dichloropropene	5.505	75	16893	1.163	ug/l	98
30) Carbon Tetrachloride	5.499	117	12809	1.003	ug/l	90
31) Isopropyl Ether	3.988	45	40610	1.382	ug/l	97
32) Ethyl-t-butyl ether	4.502	59	34463	1.251	ug/l	97
33) Tert-Amyl methyl ether	5.939	73	29359	1.180	ug/l	99
34) Propionitrile	4.769	54	5627	6.273	ug/l	# 94
35) Benzene	5.756	78	49174	1.151	ug/l	96
36) 1,2-Dichloroethane	5.782	62	16985	1.226	ug/l	96
37) Trichloroethene	6.525	130	11701	1.080	ug/l	93
38) 1,2-Dichloropropane	6.779	63	12015	1.204	ug/l	97
39) Methacrylonitrile	4.972	41	5610m	1.472	ug/l	
40) Methyl acrylate	4.849	55	8083m	1.387	ug/l	
41) Tetrahydrofuran	5.058	42	6159	3.006	ug/l	95
42) 1-Chlorobutane	5.441	56	23231	1.244	ug/l	99
43) Dibromomethane	6.907	93	6429	1.248	ug/l	94
44) Bromodichloromethane	7.094	83	12192	1.116	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063563.D
 Acq On : 12 Sep 2025 09:43
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 13 02:37:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 02:33:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	36086	7.127	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	5639m	2.432	ug/l	
47) Methyl methacrylate	6.965	69	10719	2.430	ug/l	96
48) Ethyl methacrylate	8.335	69	9510	1.282	ug/l	97
49) Toluene	7.962	92	24911	1.263	ug/l	93
50) t-1,3-Dichloropropene	8.206	75	8994	1.174	ug/l	96
51) cis-1,3-Dichloropropene	7.602	75	12005	1.206	ug/l #	86
52) 1,1,2-Trichloroethane	8.393	97	8348	1.232	ug/l	98
53) 1,3-Dichloropropane	8.569	76	14962	1.339	ug/l	98
54) 2-Hexanone	8.688	43	25510	6.240	ug/l	97
55) Dibromochloromethane	8.804	129	7983	1.228	ug/l	96
56) 1,2-Dibromoethane	8.917	107	7020	1.223	ug/l	96
58) Tetrachloroethene	8.541	164	12380	1.431	ug/l	89
59) Chlorobenzene	9.438	112	28511	1.223	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.524	131	9106	1.191	ug/l	96
61) Pentachloroethane	11.418	117	6303	1.088	ug/l	90
62) Hexachloroethane	12.463	117	5433	1.073	ug/l	94
63) Ethyl Benzene	9.563	91	48238	1.212	ug/l	96
64) m/p-Xylenes	9.685	106	37457	2.446	ug/l	91
65) o-Xylene	10.094	106	18108	1.192	ug/l	96
66) Styrene	10.110	104	29321	1.183	ug/l	98
67) Bromoform	10.283	173	3819	1.170	ug/l #	99
69) Isopropylbenzene	10.476	105	45091	1.210	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	10691	1.225	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	7902m	1.305	ug/l	
72) Bromobenzene	10.778	156	11780	1.245	ug/l	94
73) n-propylbenzene	10.897	120	12218	1.116	ug/l	83
74) 2-Chlorotoluene	10.981	126	11978	1.221	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	41655	1.172	ug/l	100
76) 4-Chlorotoluene	11.093	126	12508	1.206	ug/l	91
77) tert-Butylbenzene	11.412	119	39611	1.147	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	39425	1.115	ug/l	99
79) sec-Butylbenzene	11.634	105	54941	1.177	ug/l	100
80) Nitrobenzene	13.225	77	692	7.036	ug/l #	54
81) p-Isopropyltoluene	11.785	119	43610	1.154	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	23568	1.203	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	24700	1.244	ug/l	99
84) n-Butylbenzene	12.203	91	39680	1.108	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	23591	1.242	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1209	1.056	ug/l	94
87) 1,2,4-Trichlorobenzene	13.839	180	13548	1.214	ug/l	98
88) Hexachlorobutadiene	14.013	225	9121	1.343	ug/l	92
89) Naphthalene	14.090	128	23158	1.143	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	12716	1.232	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

